



Attorney Docket No. 57764 (71994)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Kauppinen, et al. CONFIRMATION: 6647  
U.S.S.N.: 10/601,140 GROUP ART UNIT: 1645  
FILED: June 20, 2003 EXAMINER: Not yet assigned  
FOR: METHODS AND SYSTEMS FOR DETECTION AND ISOLATION OF A  
NUCLEOTIDE SEQUENCE

\*\*\*\*\*

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited as First Class Mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 18, 2004.

By: Rachelle Chery  
Rachelle Chery

\*\*\*\*\*

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL

This paper is responsive to the Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures mailed February 6, 2004.

Accordingly, submitted herewith is:

1. A copy of the Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures;
2. A copy of the Raw Sequence Listing Error Report;
3. A new Computer Readable Form (CRF) (1 diskette);
4. A new Paper Copy of the Sequence Listing;
5. Statement to Support Filing and Submission in Accordance With 37 C.F.R. §§ 1.821-1.825.

Attorney Docket No. 57764 (71994)

Serial No. 10/601,140

Filed: June 20, 2003

Response to Notice To Comply With Requirements For Patent Applications

Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures

Page 2 of 2

Respectfully submitted,

Date March 18, 2004

By 

Edwards and Angell, LLP

P.O. Box 55874

Boston MA US 02205

Telephone: 617-439-444

Facsimile: 617-439-4170

Dianne Rees

Attorney for Applicant

Registration No. 45,281

Customer No.: 21874

Should additional fees be necessary in connection with the filing of this paper, or if a petition for extension of time is required for timely acceptance of same, the Commissioner is hereby authorized to charge Deposit Account No. 04-1105 for any such fees; and applicants hereby petition for any needed extension of time.

BOS2\_437875.1



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/601,140  
Source: FWO -  
Date Processed by STIC: 1/4/04 -

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

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**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT  
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221**

**Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221**

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**<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

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**Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:**

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
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Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/601,140

DATE: 01/04/2004

TIME: 10:30:14

Input Set : A:\57771994.app

Output Set: N:\CRF4\01042004\J601140.raw

3 <110> APPLICANT: KAUPPINEN, SAKARI  
4 JACOBSEN, NANA  
6 <120> TITLE OF INVENTION: METHODS AND SYSTEMS FOR DETECTION AND ISOLATION OF A  
7 NUCLEOTIDE SEQUENCE  
9 <130> FILE REFERENCE: 57764(71994)  
11 <140> CURRENT APPLICATION NUMBER: 10/601,140  
12 <141> CURRENT FILING DATE: 2003-06-20  
14 <150> PRIOR APPLICATION NUMBER: US 60/390,928  
15 <151> PRIOR FILING DATE: 2002-06-24  
17 <160> NUMBER OF SEQ ID NOS: 45  
19 <170> SOFTWARE: PatentIn Ver. 3.2

Does Not Comply  
Corrected Diskette Reader

ERRORED SEQUENCES

1113 <210> SEQ ID NO: 40  
1114 <211> LENGTH: 207 *20 shown below*  
1115 <212> TYPE: DNA  
1116 <213> ORGANISM: Artificial Sequence  
1118 <220> FEATURE:  
1119 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
1120 oligonucleotide  
1122 <400> SEQUENCE: 40  
E--> 1123 tttttttttt tttttttttt 20

*fix*  
Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/601,140

DATE: 01/04/2004

TIME: 10:30:15

Input Set : A:\57771994.app

Output Set: N:\CRF4\01042004\J601140.raw

L:906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60  
L:1123 M:252 E: No. of Seq. differs, <211> LENGTH:Input:207 Found:20 SEQ:40  
L:1196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0